CIVIL AIM CONSULTANTS & ENGINEERS

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Job No: CACE/BBMP/KSC/6/2022-2023 Date: 17.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.
Agency	**Sri. K S Chowdareddy** Contractor, Bangalore
Name of the work	Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore
Location	R K Hegdenagar
Sample ID	: Cement Concrete for Roof Beam
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.07.2022	17.08.2022	8.154	619.3	27.52
2	20.07.2022	17.08.2022	8.069	632.5	28.11
3	20.07.2022	17.08.2022	8.098	628.1	27.92

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Authorised Signatory

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Job No: CACE/BBMP/KSC/6/2022-2023 Date: 17.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.

Agency **Sri. K S Chowdareddy** Contractor, Bangalore

Name of the work Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore

Location R K Hegdenagar

Sample ID : Cement Concrete Roof Slab

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.07.2022	17.08.2022	8.100	619.6	27.54
2	20.07.2022	17.08.2022	8.169	605.1	26.89
3	20.07.2022	17.08.2022	8.025	638.1	28.36

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Job No.: CACE/BBMP/KSC/6/2022-2023 Date: 17.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.

Agency **Sri. K S Chowdareddy** Contractor, Bangalore

Name of the work Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore

Location R K Hegdenagar

Sample ID : Cement Concrete Roof Slab

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.07.2022	17.08.2022	8.065	618.6	27.49
2	20.07.2022	17.08.2022	8.105	630.5	28.02
3	20.07.2022	17.08.2022	8.169	628.1	27.92

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Job No: CACE/BBMP/KSC/6/2022-2023 Date: 26.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.

Agency : **Sri. K S Chowdareddy** Contractor, Bangalore

Name of the work : Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore

Location : R K Hegdenagar

Sample ID : Cement Concrete for Column FF

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^3

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{35}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	29.07.2022	26.08.2022	8.154	628.2	27.92
2	29.07.2022	26.08.2022	8.066	614.3	27.30
3	29.07.2022	26.08.2022	8.098	632.5	28.11

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Job No.: CACE/BBMP/KSC/6/2022-2023 Date: 09.09.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.

Agency **Sri. K S Chowdareddy** Contractor, Bangalore

Name of the work Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore

Location R K Hegdenagar

Sample ID : Cement Concrete for Lintel FF

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.08.2022	09.09.2022	8.154	619.6	27.54
2	12.08.2022	09.09.2022	8.063	632.5	28.11
3	12.08.2022	09.09.2022	8.098	628.1	27.92

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Srikanth

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Job No.: CACE/BBMP/KSC/6/2022-2023 Date: 23.09.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.

Agency **Sri. K S Chowdareddy** Contractor, Bangalore

Name of the work Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore

Location R K Hegdenagar

Sample ID : Cement Concrete Roof Slab

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.08.2022	23.09.2022	8.145	589.9	26.22
2	26.08.2022	23.09.2022	8.022	613.5	27.27
3	26.08.2022	23.09.2022	8.196	628.1	27.92

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Job No.: CACE/BBMP/KSC/6/2022-2023 Date: 23.09.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.
Agency	**Sri. K S Chowdareddy** Contractor, Bangalore
Name of the work	Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore
Location	R K Hegdenagar
Sample ID	: Cement Concrete for Roof Beam
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.08.2022	23.09.2022	8.145	619.6	27.54
2	26.08.2022	23.09.2022	8.025	632.2	28.10
3	26.08.2022	23.09.2022	8.205	625.1	27.78

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Job No.: CACE/BBMP/KSC/6/2002-2023 Date: 15.07.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP,
Agency	**Sri. K S Chowdareddy** Contractor, Bangalore
Name of the work	Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore
Location	R K Hegdenagar
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.07.2022	15.07.2022	8.154	368.2	16.36
2	08.07.2022	15.07.2022	8.069	359.5	15.98
3	08.07.2022	15.07.2022	8.025	361.1	16.05

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Job No.: CACE/BBMP/KSC/6/2002-2023 Date: 05.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP,

Agency **Sri. K S Chowdareddy** Contractor, Bangalore

Name of the work Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore

Location R K Hegdenagar

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.07.2022	05.08.2022	8.154	525.1	23.34
2	08.07.2022	05.08.2022	8.025	516.9	22.97
3	08.07.2022	05.08.2022	8.196	532.2	23.65

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Job No.: CACE/BBMP/KSC/6/2002-2023 Date: 19.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP,

Agency **Sri. K S Chowdareddy** Contractor, Bangalore

Name of the work Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore

Location R K Hegdenagar

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	12.08.2022	19.08.2022	8.021	389.2	17.30
2	12.08.2022	19.08.2022	8.165	390.1	17.34
3	12.08.2022	19.08.2022	8.033	356.6	15.85

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Job No: CACE/BBMP/KBC/R/803-2033 Date: 09.09.2033

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Project Division, Yelahanka Zone, BBMP,
Agency	: Sri. K S Chowdareddy Contractor, Bangalore
Name of the work	: Package No.18 Construction of Ambedkar Bhavan at Dasarahalli and it is Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore
Location	: R K Hegdenagar
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{30}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (kN)	Compressive strength (N/mm^2)
1	12.08.2022	09.09.2022	8.202	516.6	22.96
2	12.08.2022	09.09.2022	8.145	532.1	23.65
3	12.08.2022	09.09.2022	8.025	528.4	23.48

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Job No.: CACE/BBMP/KSC/6/2022-2023

Date: 24.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore..

Agency : **Sri. K S Chowdareddy** Contractor, Bangalore

Name of Work : Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore

Location : R K Hegdenagar

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.08.2022	24.08.2022	8.021	264.5	11.76
2	17.08.2022	24.08.2022	8.059	259.3	11.52
3	17.08.2022	24.08.2022	8.025	258.1	11.47

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Asst. Executive Engineer
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Job No.: CACE/BBMP/KSC/6/2022-2023

Date: 14.09.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore..
Agency	**Sri. K S Chowdareddy** Contractor, Bangalore
Name of Work	Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore
Location	R K Hegdenagar
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.08.2022	14.09.2022	8.202	395.2	17.56
2	17.08.2022	14.09.2022	8.132	389.6	17.32
3	17.08.2022	14.09.2022	8.078	391.1	17.38

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Job No: CACE/BBMP/KSC/6/2022-2023

Date: 24.08.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore..
Agency	**Sri. K S Chowdareddy** Contractor, Bangalore
Name of Work	Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore
Location	R K Hegdenagar
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.08.2022	24.08.2022	8.024	282.2	12.54
2	17.08.2022	24.08.2022	8.158	269.1	11.96
3	17.08.2022	24.08.2022	8.096	280.1	12.45

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

For CIVIL AIM CONSULTANTS & ENGINEERS

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Job No: CACE/BBMP/KSC/6/2022-2023

Date: 14.09.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore..
Agency	**Sri. K S Chowdareddy** Contractor, Bangalore
Name of Work	Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore
Location	R K Hegdenagar
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	17.08.2022	14.09.2022	8.154	405.0	18.00
2	17.08.2022	14.09.2022	8.069	413.2	18.36
3	17.08.2022	14.09.2022	8.021	409.1	18.18

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Job No.: CACE/BBMP/KSC/6/2022-2023 Date:05.09.2022

TEST REPORT ON CPVC PIPE

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.

Agency **Sri. K S Chowdareddy** Contractor, Bangalore

Name of Work Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore

Location R K Hegdenagar

Sample Supplied by: :AGENCY

BIS Code: IS 13360(Part3/Sec 1):1995
IS 15778:2007

Sample Identification: CPVC pipe 20mm dia

Date of Testing 05.09.2022

Sl.No	Test	Test Result	Requirements as per IS: 15778:2007
1	Nominal Outer Diameter (mm)	22.4	22.2 mm
2	Mean Outside Diameter (mm)	22.4	Min 22.1 mm Max 22.3 mm
3	Outside Diameter at Any Point (mm)	22.3	Min 22 mm Max 22.4 mm
4	Density	1525Kg/m^3	1450 Kg/m^3 & 1650 Kg/m^3

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Job No.: CACE/BBMP/KSC/6/2022-2023 05.09.2022

TEST REPORT ON CPVC PIPE

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.

Agency **Sri. K S Chowdareddy** Contractor, Bangalore

Name of Work Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore

Location R K Hegdenagar

BIS Code: IS 13360(Part3/Sec 1):1995
IS 15778:2007

Sample Identification: CPVC pipe 25mm dia

Date of Testing 05.09.2022

Sl.No	Test	Test Result	Requirements as per IS: 15778:2007
1	Nominal Outer Diameter (mm)	28.6	28.6 mm
2	Mean Outside Diameter (mm)	28.6	Min 28.5 mm Max 28.7 mm
3	Outside Diameter at Any Point (mm)	28.6	Min 28.4 mm Max 28.8 mm
4	Density	1498 Kg/m^3	1450 Kg/m^3 & 1650 Kg/m^3

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Job No.: CACE/BBMP/KSC/6/2022-2023 05.09.2022

TEST REPORT ON PVC PIPE

Client : **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BB
Agency **Sri. K S Chowdareddy** Contractor, Bangalore
Name of Work Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore
Location R K Hegdenagar

BIS Code: IS 4985:2000
Sample Identification: PVC pipe 110mm dia
Date of Testing 05.09.2022

Sl.No	Test	Test Result	Requirements as per IS 4985:2000
1	Nominal Outer Diameter (mm)	110	110 mm
2	Mean Outside Diameter (mm)	110	Min 110.0 mm Max 110.4 mm
3	Outside Diameter at Any Point (mm)	110.4	Min 108.6 mm Max 111.4 mm

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Job No: CACE/BBMP/KSC/6/2022-2023 Date: 09.09.2022

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT CONCRETE FLOORING TILES

Client	**: Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.
Agency	**Sri. K S Chowdareddy** Contractor, Bangalore
Name of the work	Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore
Location	R K Hegdenagar
Description of Sample:	Cement concrete flooring tiles, 25mm thick
Reference to BIS codes:	IS 1237-2012 Specification for Cement Concrete Flooring Tiles
Date of test:	05.09.2022 to 09.09.2022

1.WATER ABSORPTION:

Sl. No.	Water Absorption		Acceptability as per IS 1237-2012
	Percent by weight		
	Individual	Average	
1	3.2	3.3	The average water absorption of 6 tiles shall not exceed 10%
2	2.9		
3	3.5		
4	3.1		
5	3.6		
6	3.4		

2.FLEXURAL STRENGTH:

S.No.	Wet Transverse Strength		Acceptability as per IS 1237-2012
	Individual	Average	
	N/mm^2	N/mm^2	
1	6.6	6.6	The average modulus of rupture in bending of 6 tiles shall not be less than $3N/mm^2$
2	6.5		
3	7.2		
4	6.5		
5	6.8		
6	6.2		

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Job No.: CACE/BBMP/KSC/6/2022-2023 Date 09.09.2022

TEST REPORT ON CERAMIC TILES

*Client	: **Assistant Executive Engineer,** Project Division, Yelahanka Zone,BBMP, Bangalore.
*Agency	**Sri. K S Chowdareddy** Contractor, Bangalore
*Name of Work	Package No.16 Construction of Ambedkar Bhavan at Dasarahalli and R K Hegdenagar in Ward No.06 Thanisandra, BBMP, Bangalore
Location	R K Hegdenagar
Technical Reference	: IS: 13630 - 2006 - Method of Testing Ceramic Tiles IS 15622 - 2006 - Specification of Ceramic Tiles
No. of Samples Tested	: 05 (Five)
Date of Testing	05.09.2022 to 09.09.2022

I. MODULUS OF RUPTURE

Sl. No.	Measured Dimension (mm)	Modulus of Rupture (N/mm^2)	Average (N/mm^2)	Requirement as per IS: 15622 (Reaffirmed 2006)
1	300x300x6	45.9	47.76	Average 47, indivisual minimum 44 N/mm^2
2	300x300x6	48.9		
3	300x300x6	48.2		
4	300x300x6	49.2		
5	300x300x6	46.6		

II. CHEMICAL RESISTANCE

Sl. No.	Measured Dimension (mm)	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	300x300x6	No visible effect	Class AA, min (13630 Part 8)
2	300x300x6	No visible effect	
3	300x300x6	No visible effect	
4	300x300x6	No visible effect	
5	300x300x6	No visible effect	

Asst. Executive Engineer
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III. STAIN RESISTANCE

Sl. No.	Measured Dimension (mm)	Visual observations	Requirement as per IS: 15622 (Reaffirmed 2006)
1	300x300x6	Stain Removed by Water	Class 1, min (13630 Part 8)
2	300x300x6	Stain Removed by Water	
3	300x300x6	Stain Removed by Water	
4	300x300x6	Stain Removed by Water	
5	300x300x6	Stain Removed by Water	

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